

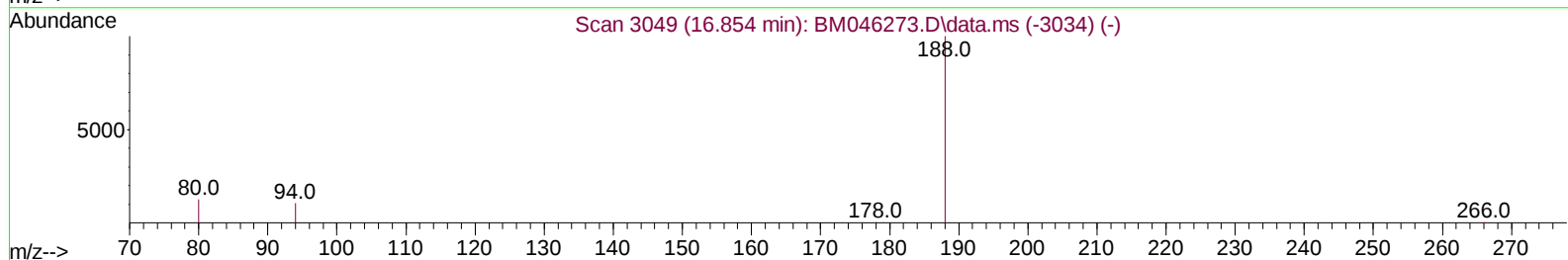
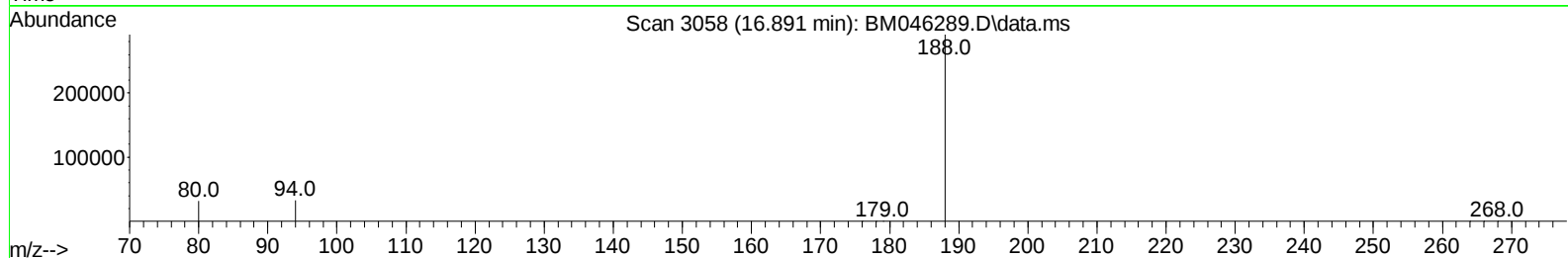
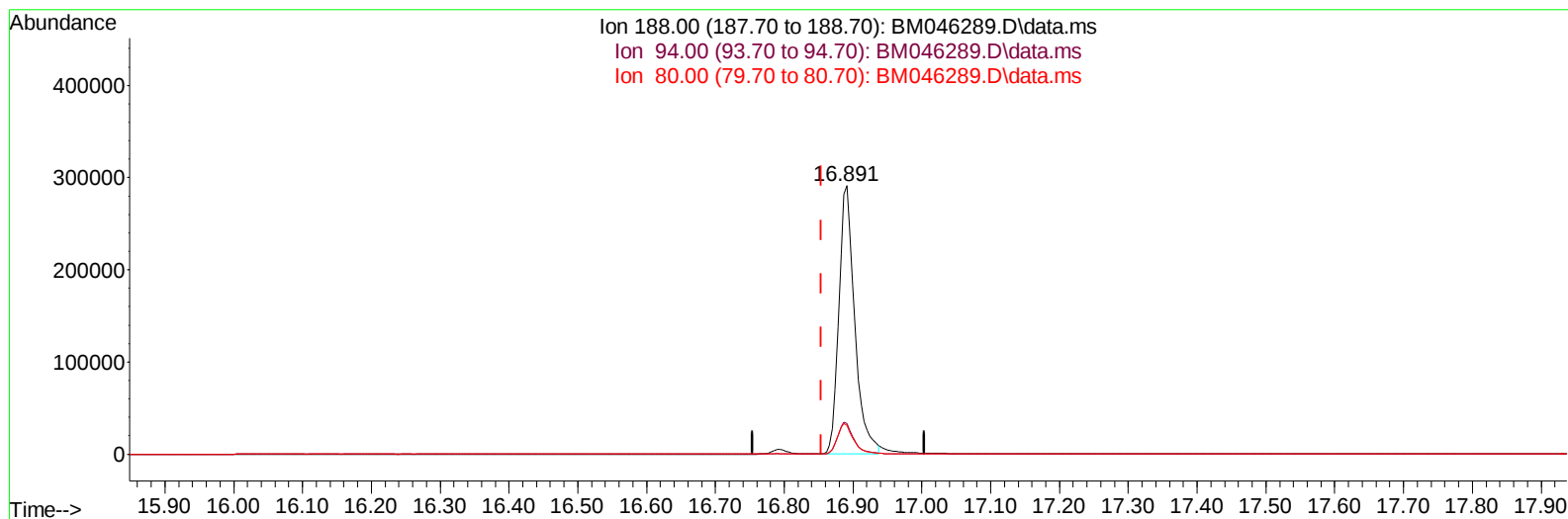
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046289.D
Acq On : 25 Jun 2024 13:31
Operator : MA/JU
Sample : P2844-11
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C63

Manual IntegrationsAPPROVED

Quant Time: Jun 25 14:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046289.D\data.ms

(13) Phenanthrene-d10 (I)

16.891min (+ 0.037) 0.40 ng/u1

response 465973

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.36
80.00	15.20	10.81#
0.00	0.00	0.00

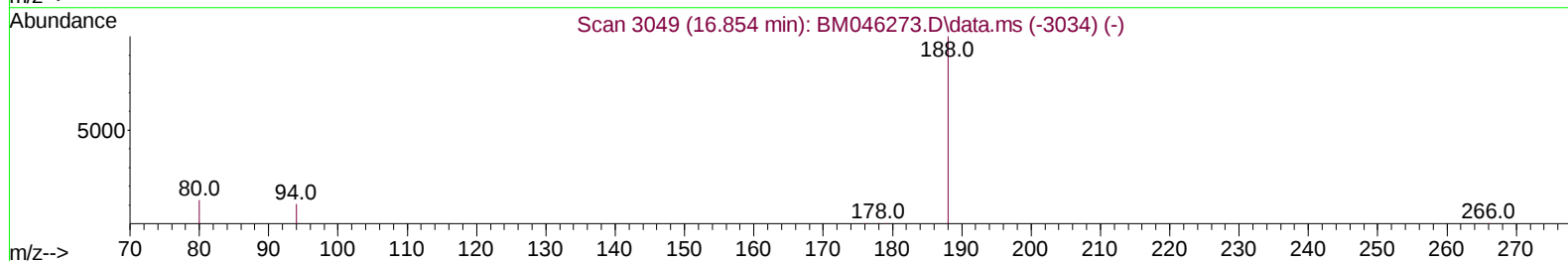
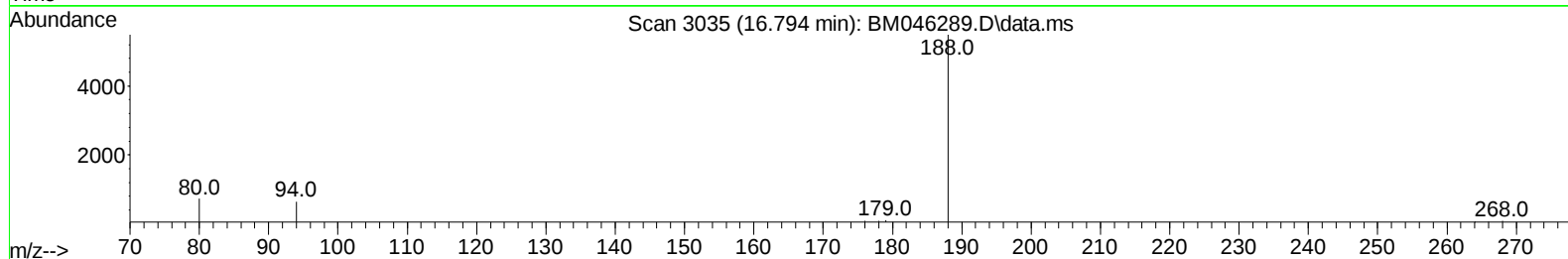
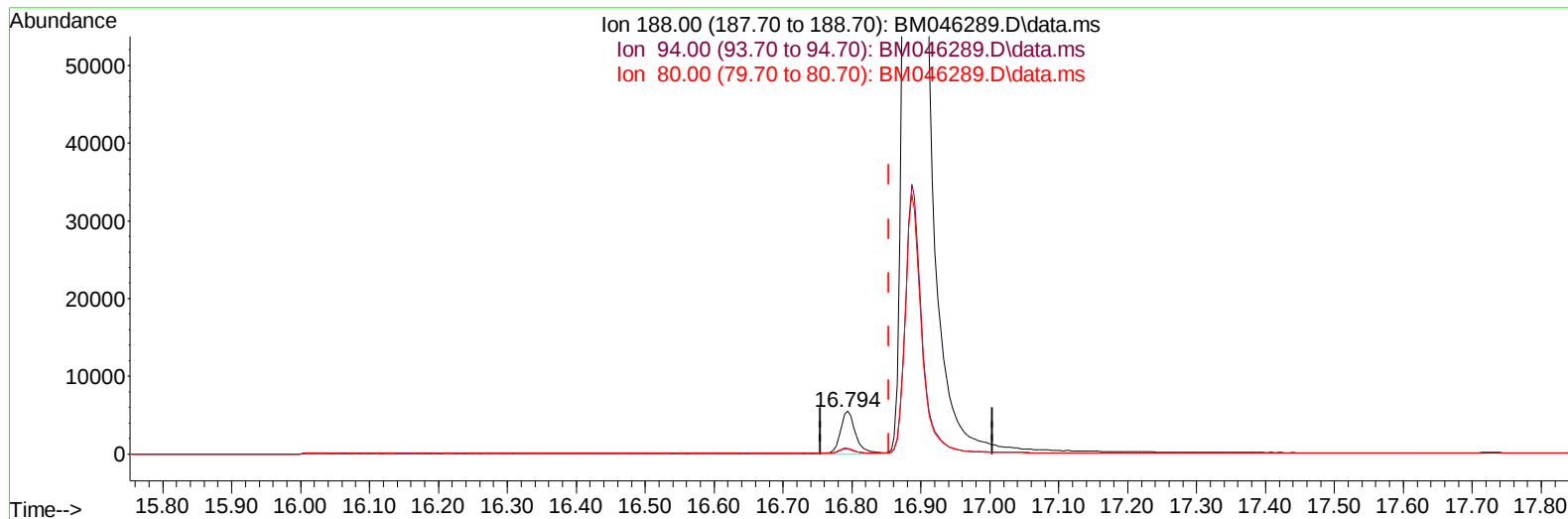
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046289.D
Acq On : 25 Jun 2024 13:31
Operator : MA/JU
Sample : P2844-11
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C63

Manual IntegrationsAPPROVED

Quant Time: Jun 25 14:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046289.D\data.ms

(13) Phenanthrene-d10 (I)

16.794min (-0.060) 0.40 ng/u1 m

response 8435

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.76
80.00	15.20	13.25
0.00	0.00	0.00

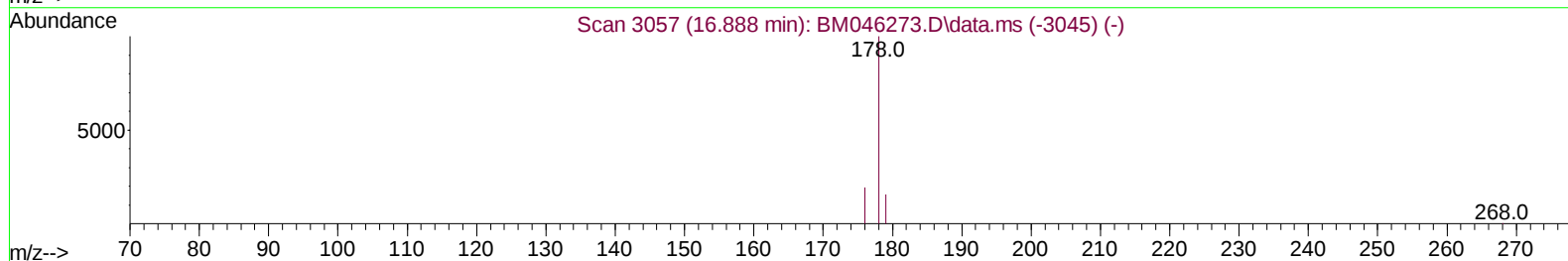
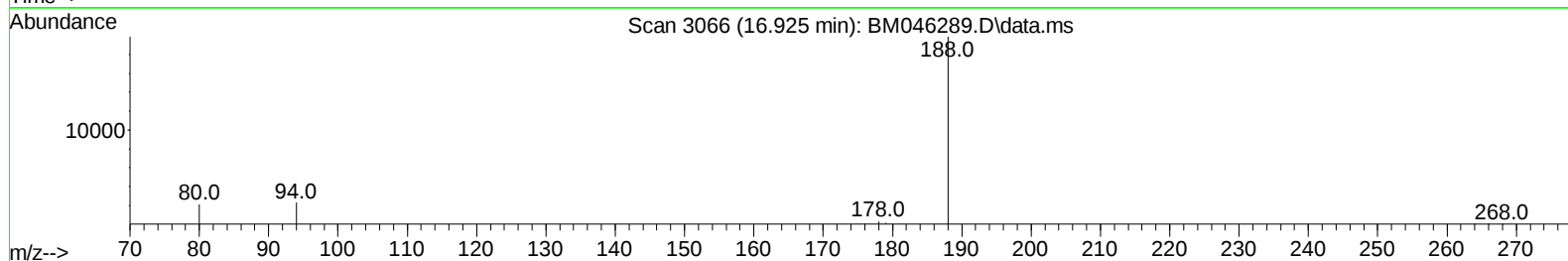
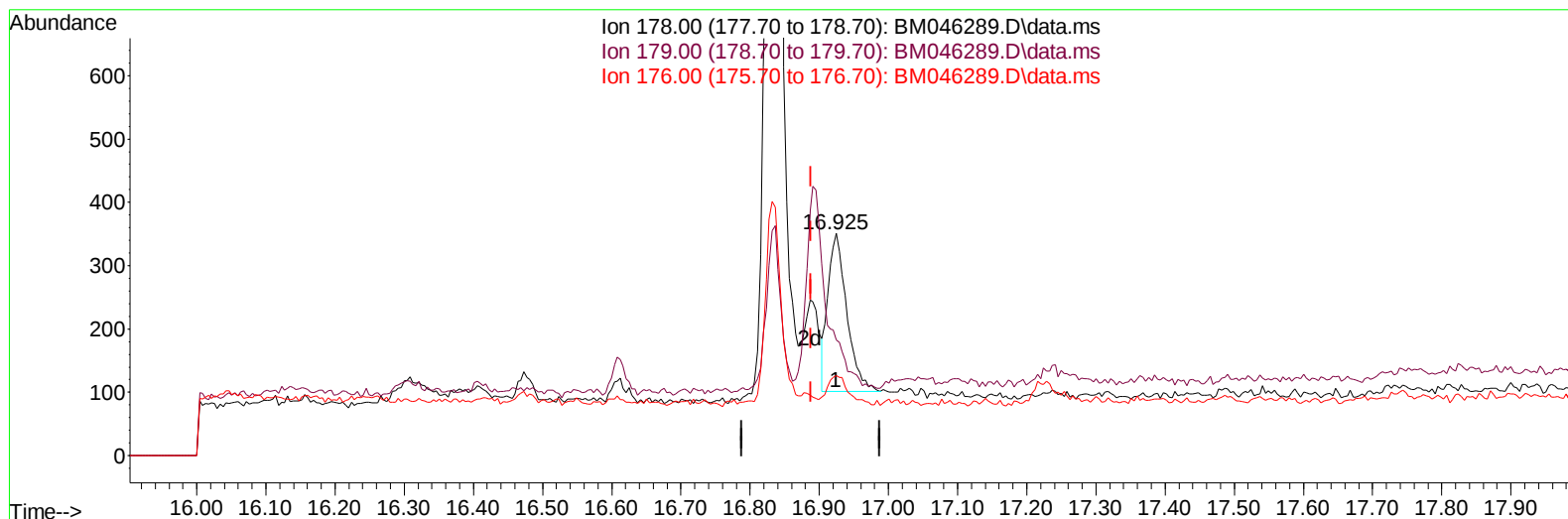
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046289.D
Acq On : 25 Jun 2024 13:31
Operator : MA/JU
Sample : P2844-11
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C63

Manual IntegrationsAPPROVED

Quant Time: Jun 25 14:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046289.D\data.ms

(15) Phenanthrene

16.925min (+ 0.037) 0.02 ng/u1

response 475

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	52.14#
176.00	21.40	36.18#
0.00	0.00	0.00

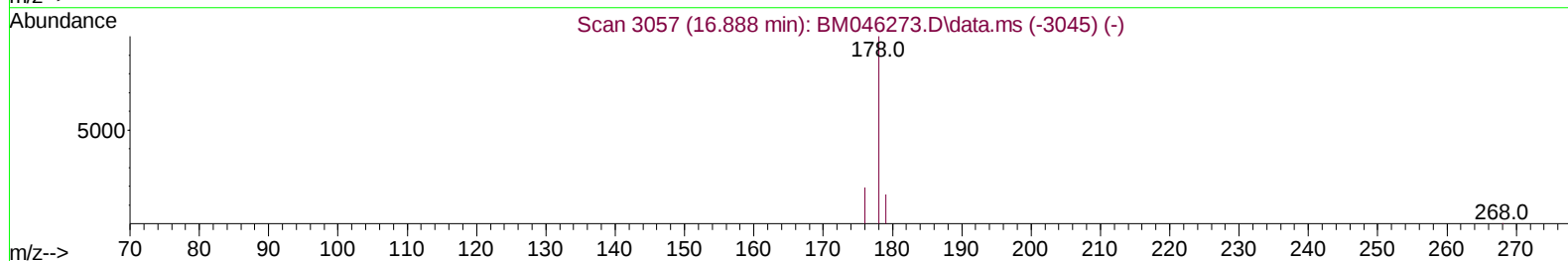
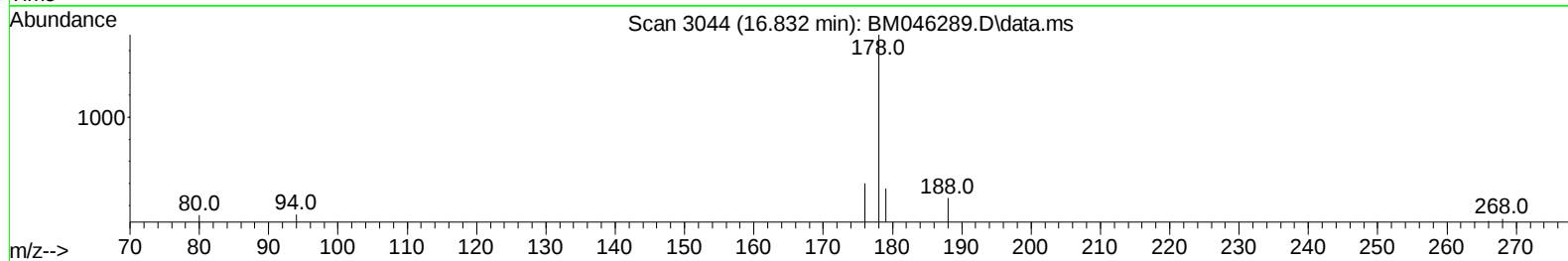
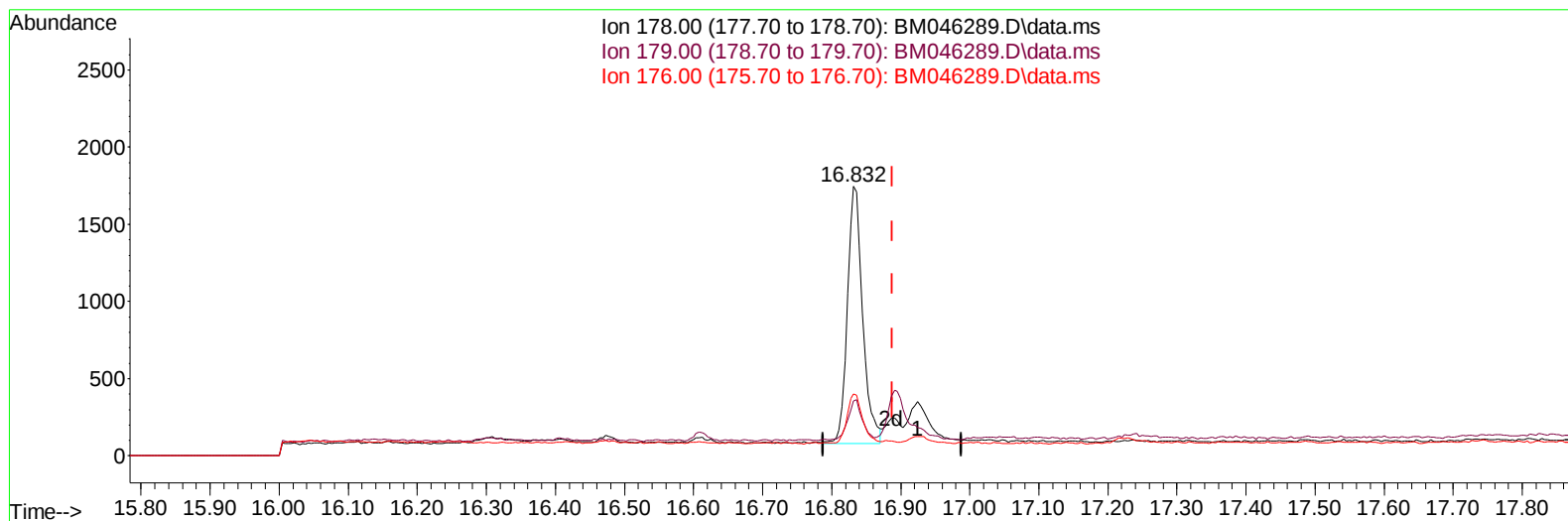
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046289.D
Acq On : 25 Jun 2024 13:31
Operator : MA/JU
Sample : P2844-11
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C63

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 25 14:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration



TIC: BM046289.D\data.ms

(15) Phenanthrene

16.832min (-0.056) 0.11 ng/ul m

response 2576

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	20.34
176.00	21.40	22.98
0.00	0.00	0.00

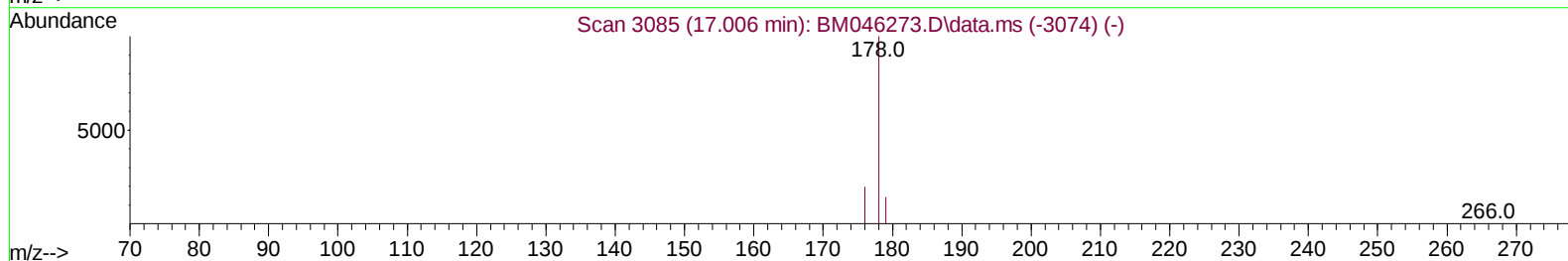
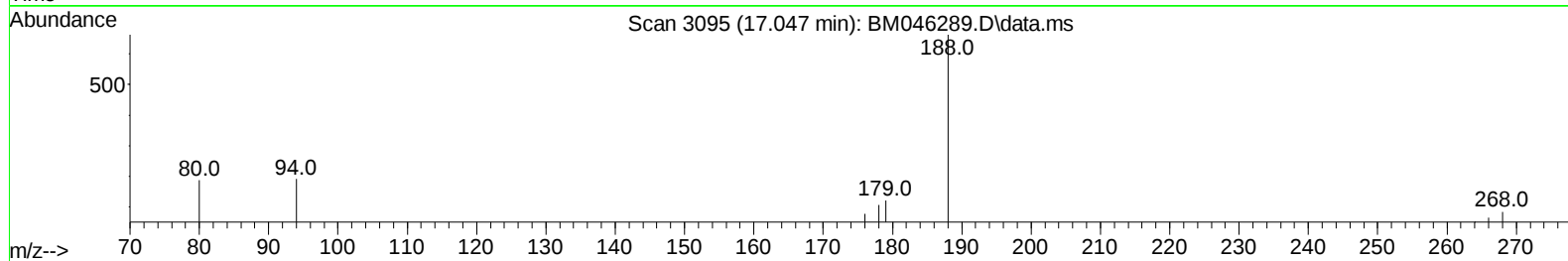
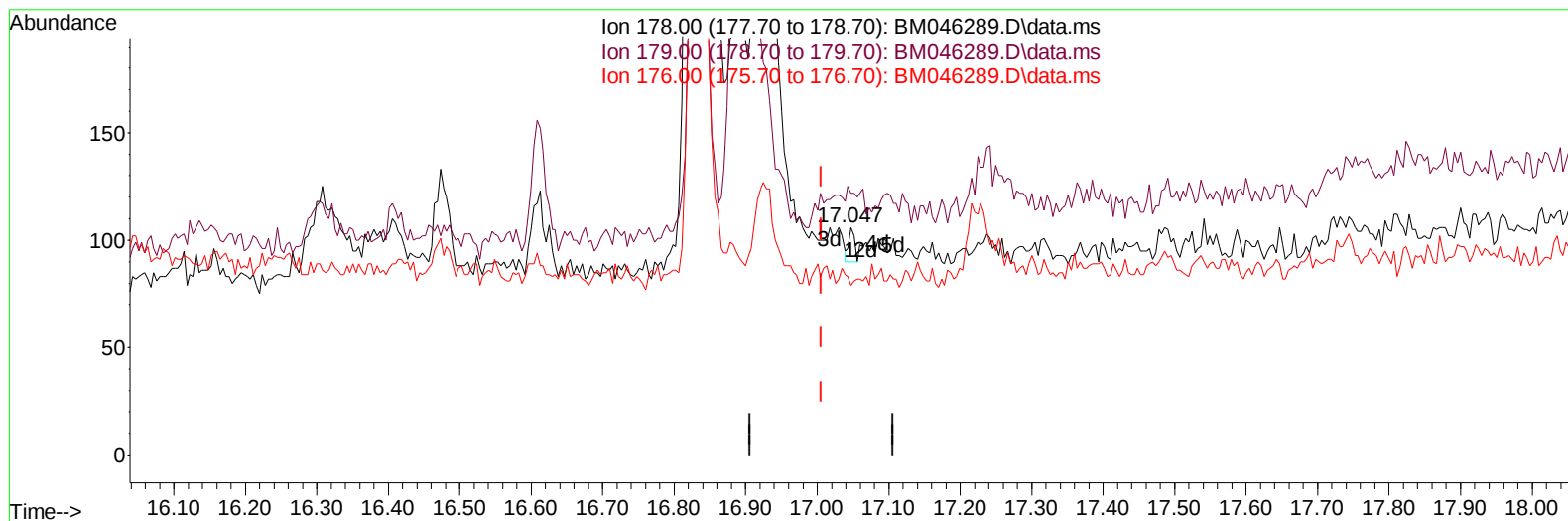
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046289.D
Acq On : 25 Jun 2024 13:31
Operator : MA/JU
Sample : P2844-11
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C63

Manual IntegrationsAPPROVED

Quant Time: Jun 25 14:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046289.D\data.ms

(16) Anthracene

17.047min (+ 0.041) 0.00 ng/u1

response 9

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	115.09#
176.00	21.20	74.53#
0.00	0.00	0.00

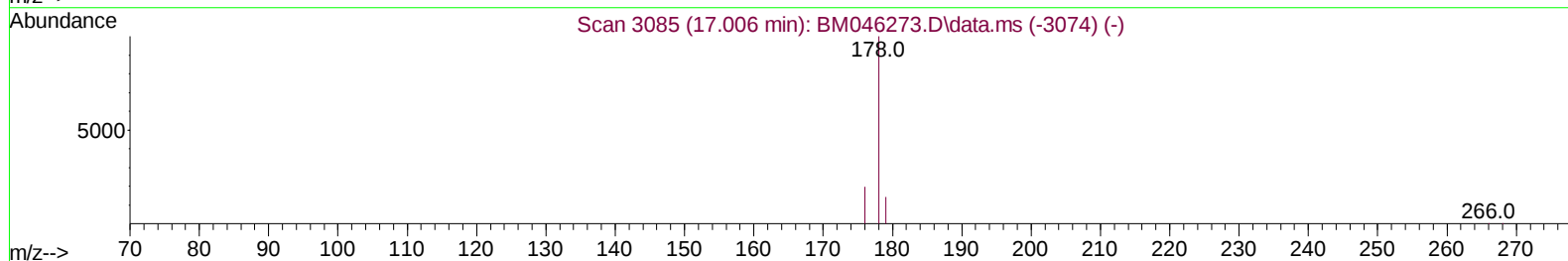
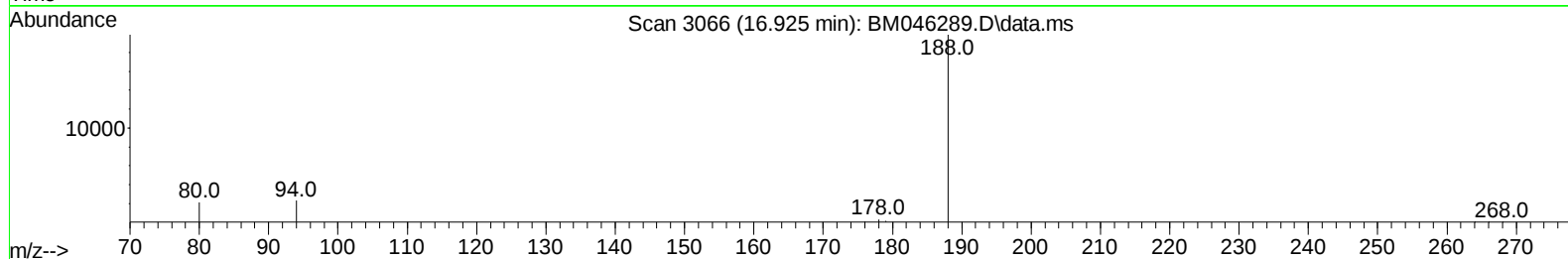
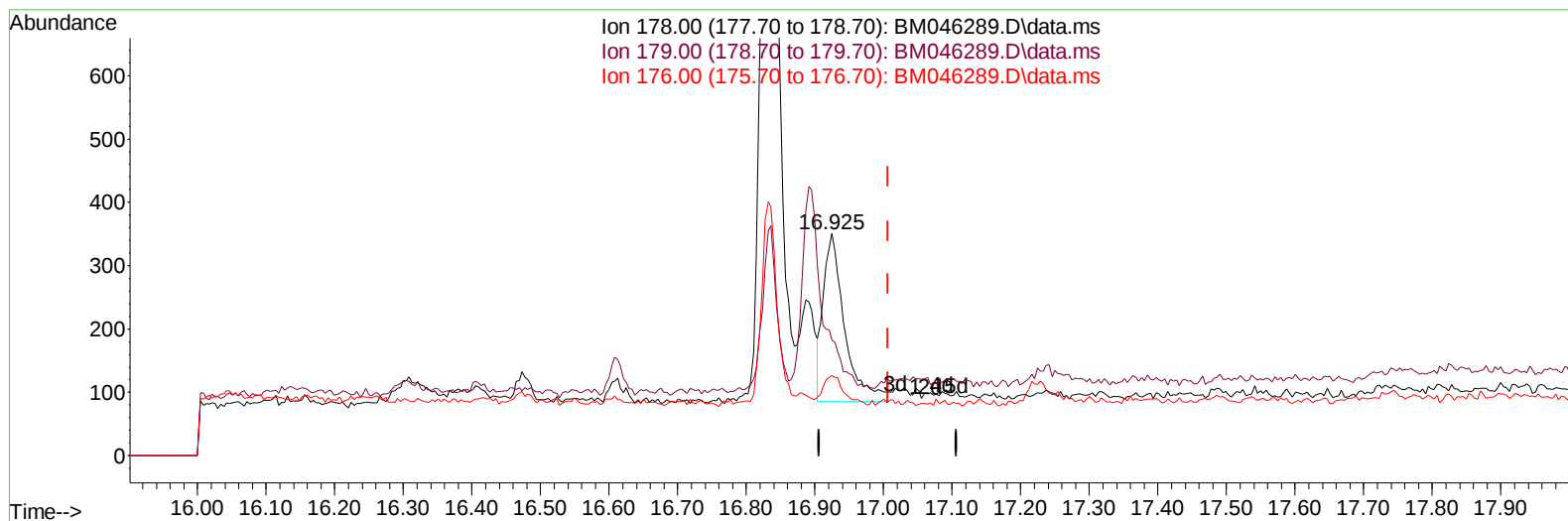
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046289.D
Acq On : 25 Jun 2024 13:31
Operator : MA/JU
Sample : P2844-11
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C63

Manual IntegrationsAPPROVED

Quant Time: Jun 25 14:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046289.D\data.ms

(16) Anthracene

16.925min (-0.082) 0.03 ng/u1 m

response 573

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	52.14#
176.00	21.20	36.18#
0.00	0.00	0.00

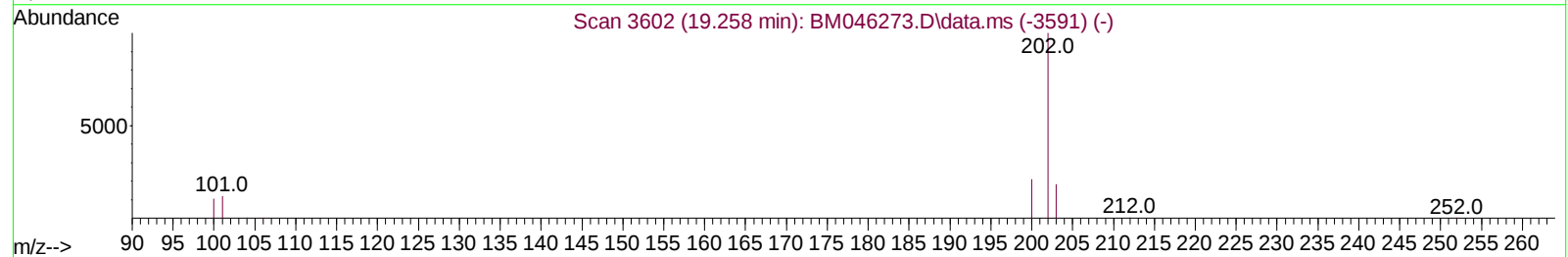
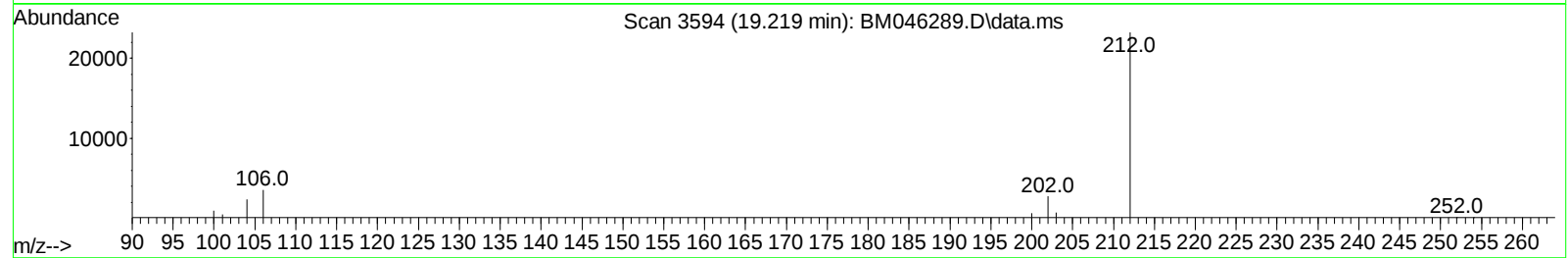
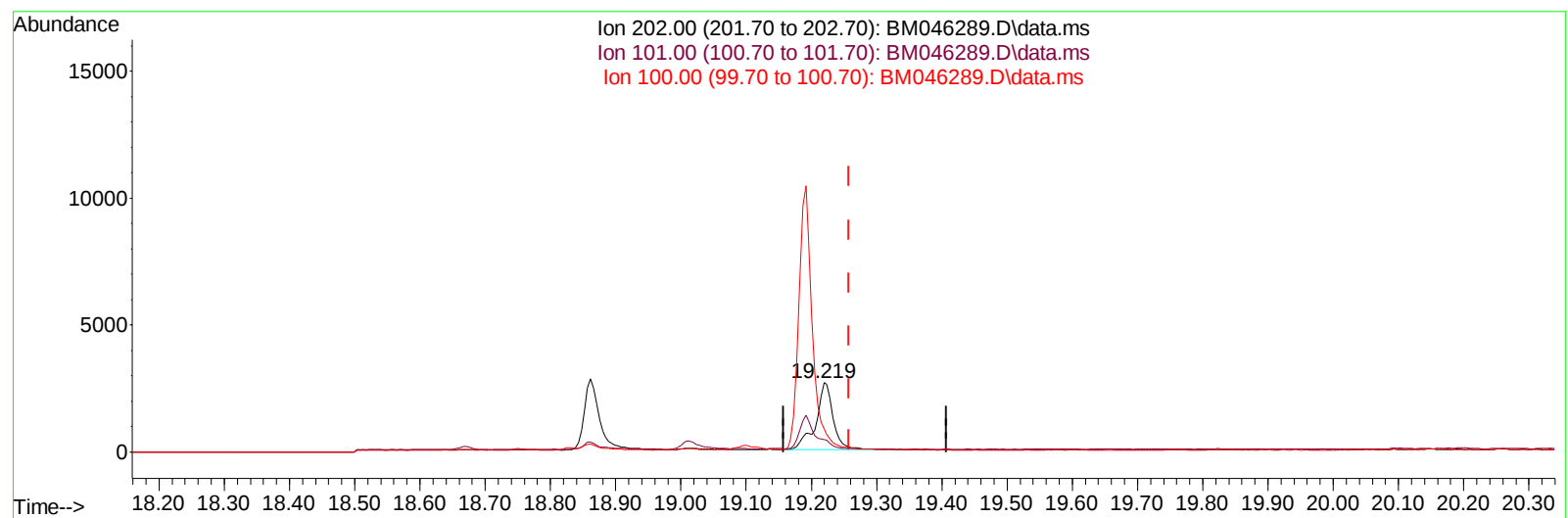
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046289.D
Acq On : 25 Jun 2024 13:31
Operator : MA/JU
Sample : P2844-11
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C63

Manual IntegrationsAPPROVED

Quant Time: Jun 25 14:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046289.D\data.ms

(20) Pyrene

19.219min (-0.039) 0.17 ng/u1

response 4954

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.10	17.98#
100.00	12.20	32.90#
0.00	0.00	0.00

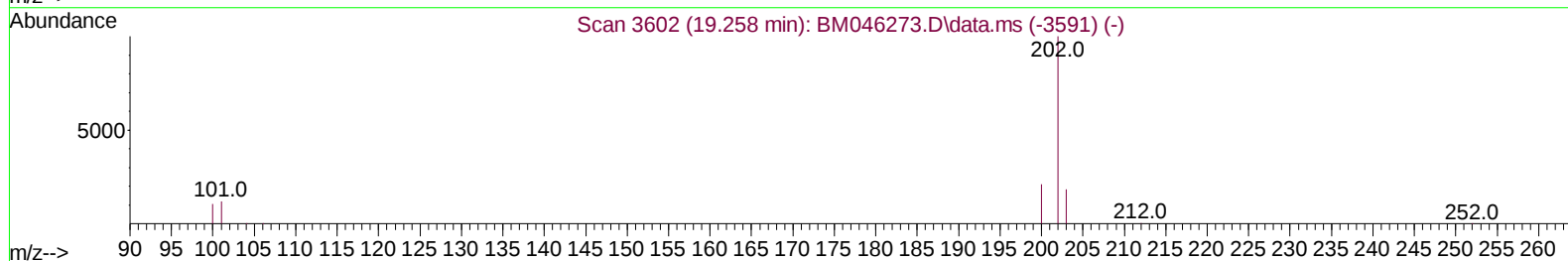
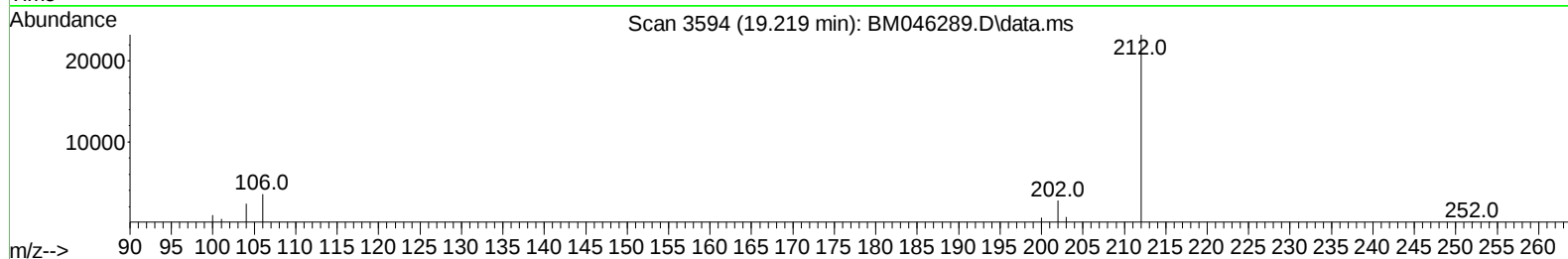
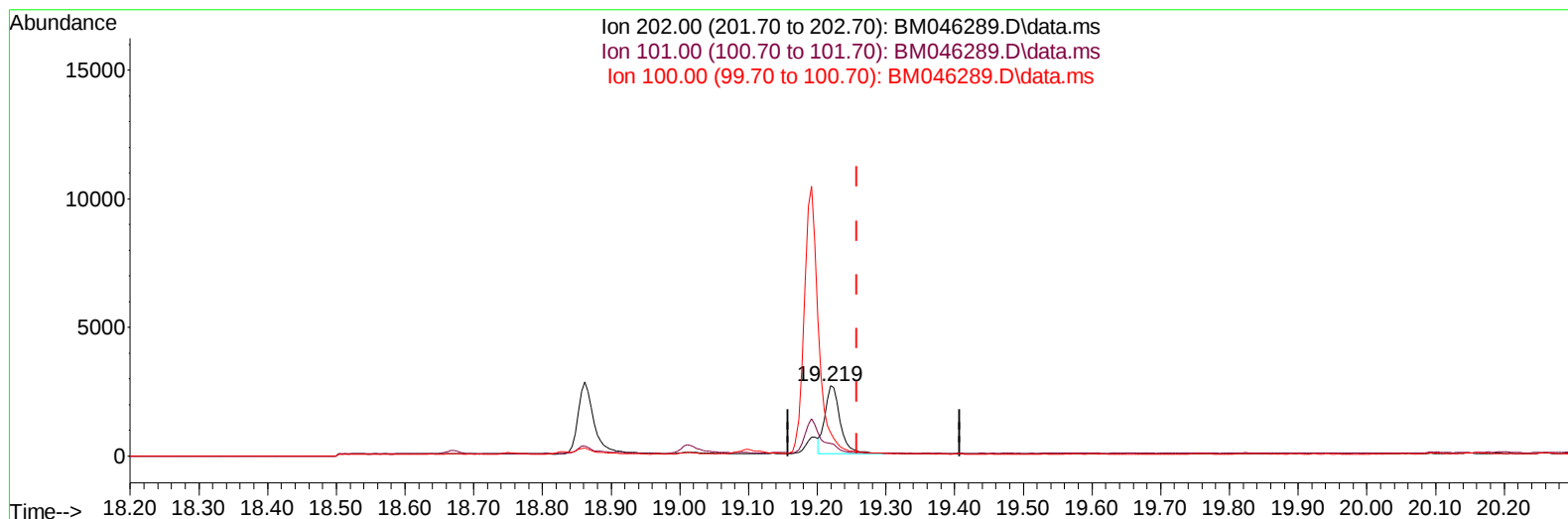
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046289.D
Acq On : 25 Jun 2024 13:31
Operator : MA/JU
Sample : P2844-11
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C63

Manual IntegrationsAPPROVED

Quant Time: Jun 25 14:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046289.D\data.ms

(20) Pyrene

19.219min (-0.039) 0.14 ng/ul m

response 4140

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.10	17.98#
100.00	12.20	32.90#
0.00	0.00	0.00

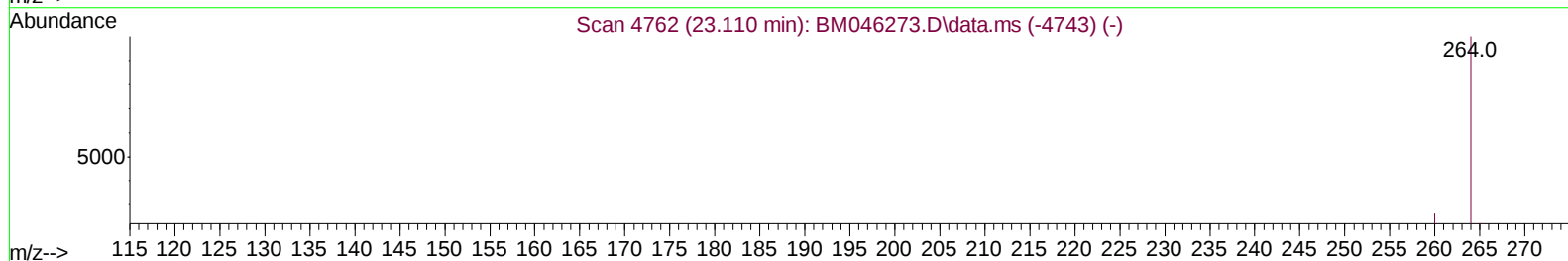
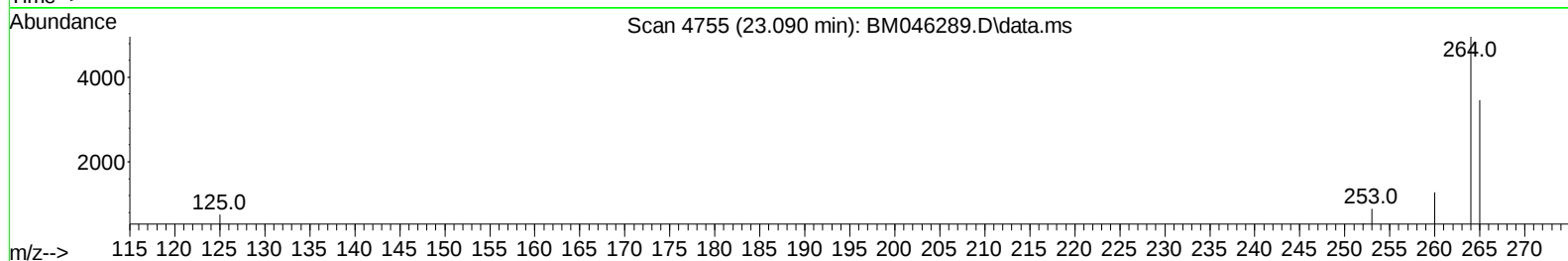
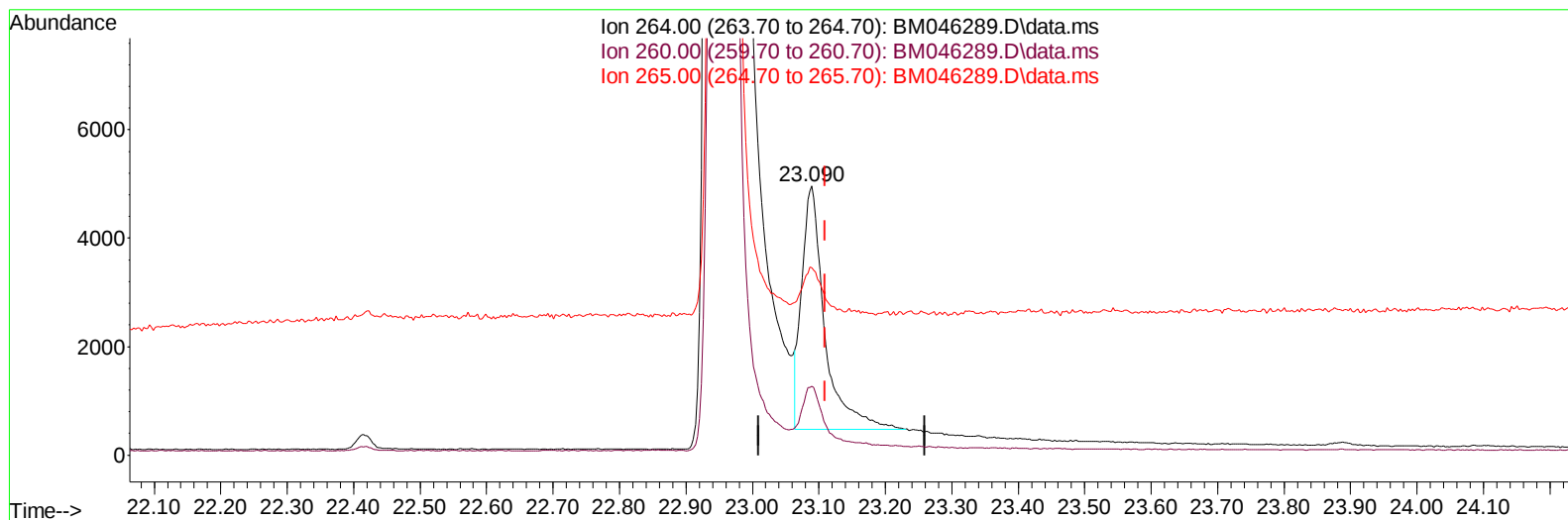
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046289.D
 Acq On : 25 Jun 2024 13:31
 Operator : MA/JU
 Sample : P2844-11
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C63

Manual IntegrationsAPPROVED

Quant Time: Jun 25 14:48:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 08:04:59 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024



TIC: BM046289.D\data.ms

(23) Perylene-d12 (I)

23.090min (-0.020) 0.40 ng/u1

response 10796

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	25.69
265.00	110.60	69.72#
0.00	0.00	0.00

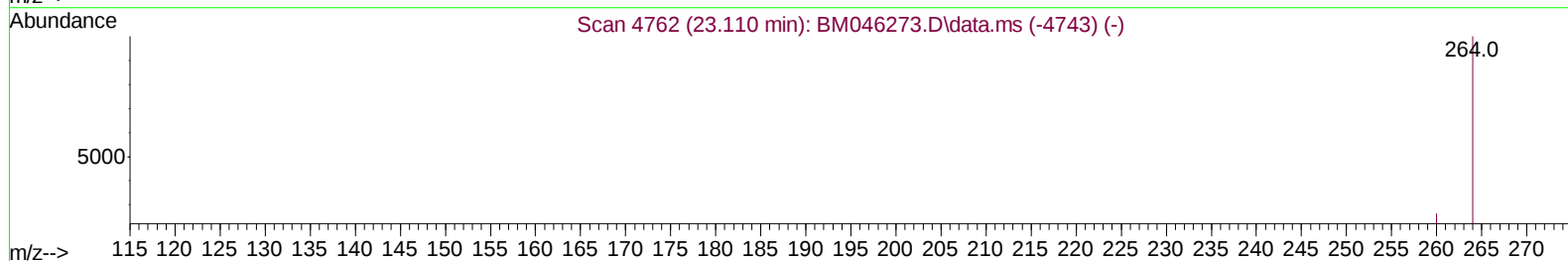
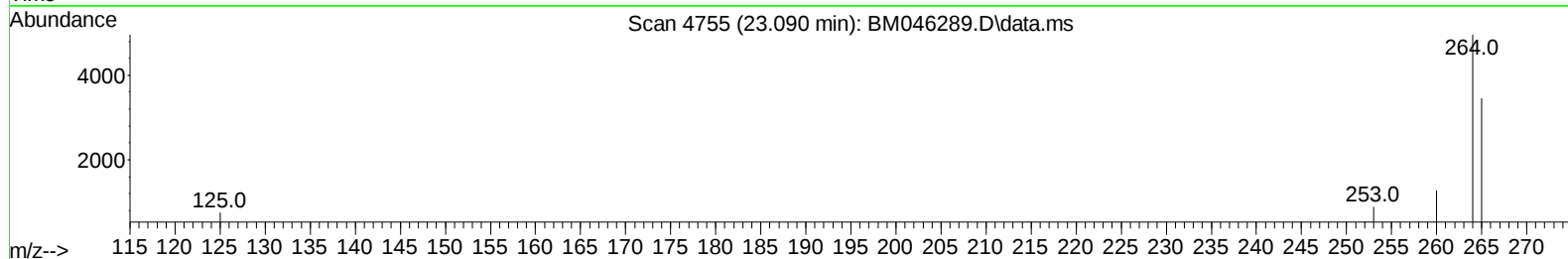
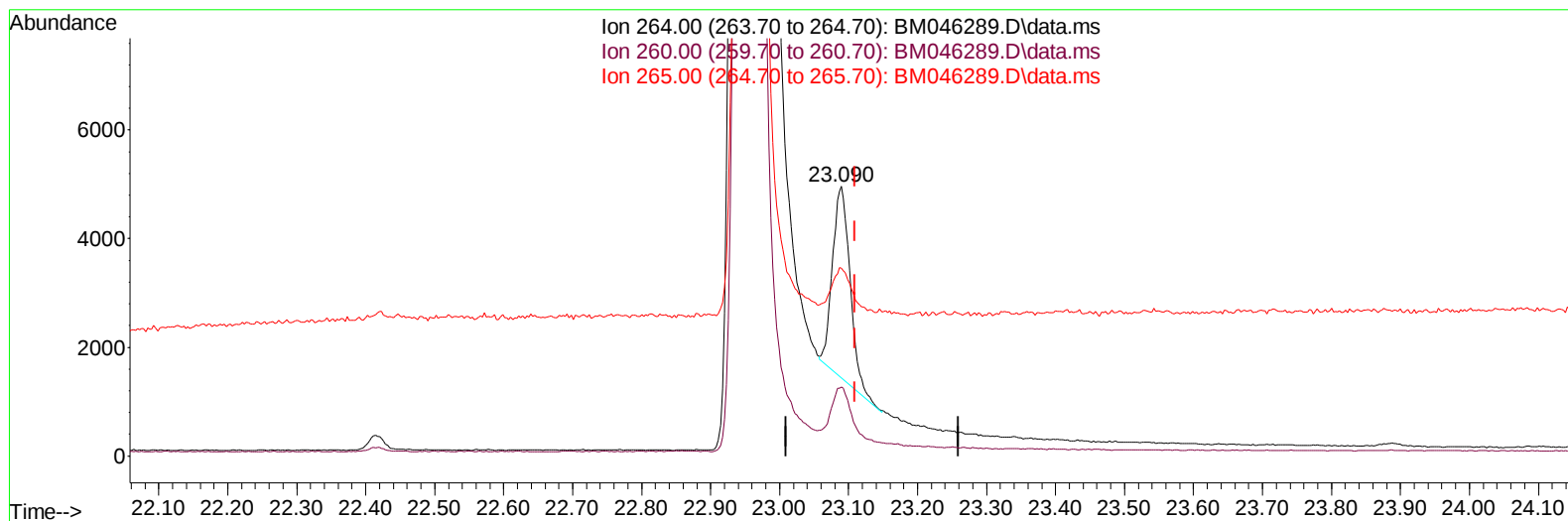
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046289.D
 Acq On : 25 Jun 2024 13:31
 Operator : MA/JU
 Sample : P2844-11
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C63

Manual IntegrationsAPPROVED

Quant Time: Jun 25 14:48:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 08:04:59 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024



TIC: BM046289.D\data.ms

(23) Perylene-d12 (I)

23.090min (-0.020) 0.40 ng/ul m

response 6180

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	25.69
265.00	110.60	69.72#
0.00	0.00	0.00

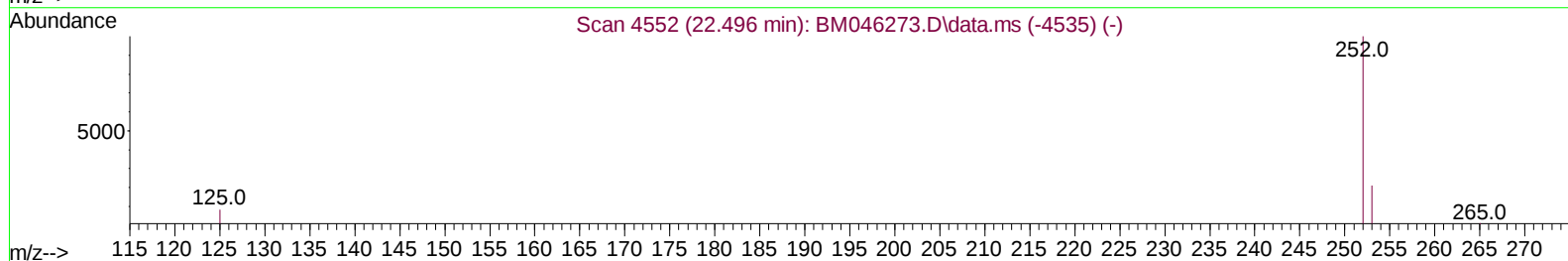
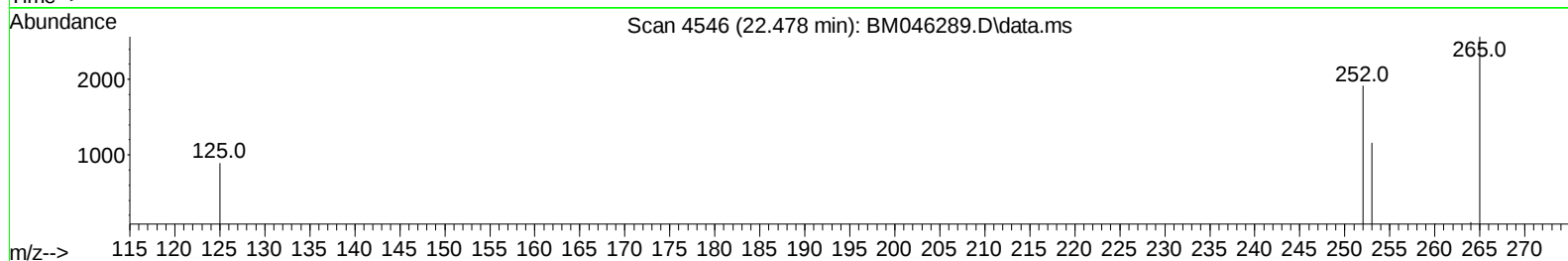
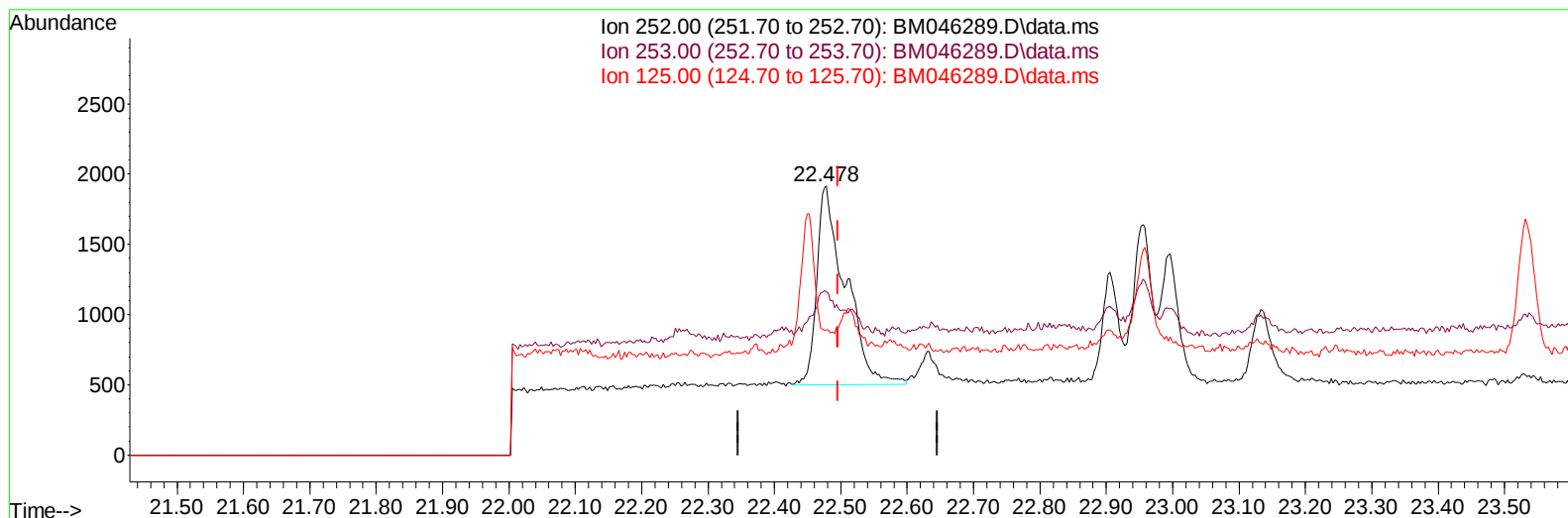
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046289.D
 Acq On : 25 Jun 2024 13:31
 Operator : MA/JU
 Sample : P2844-11
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C63

Manual IntegrationsAPPROVED

Quant Time: Jun 25 14:48:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 08:04:59 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024



TIC: BM046289.D\data.ms

(24) Benzo(b)fluoranthene

22.478min (-0.017) 0.19 ng/u1

response 4223

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	60.76
125.00	20.10	46.66#
0.00	0.00	0.00

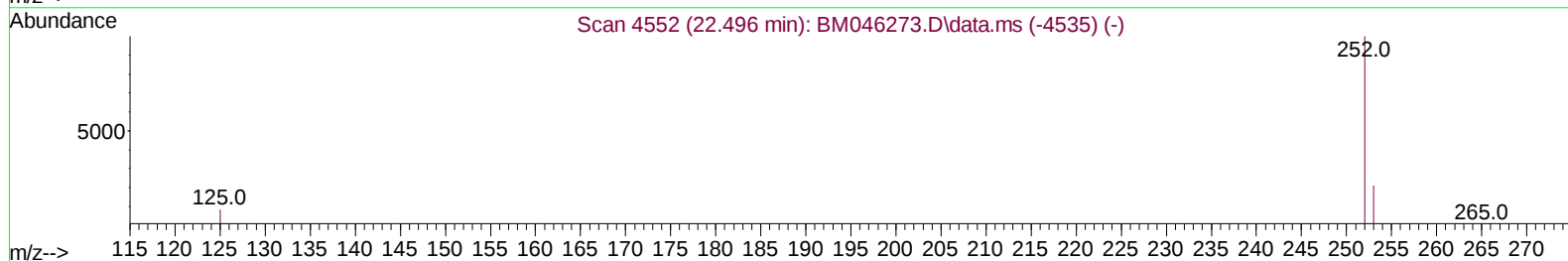
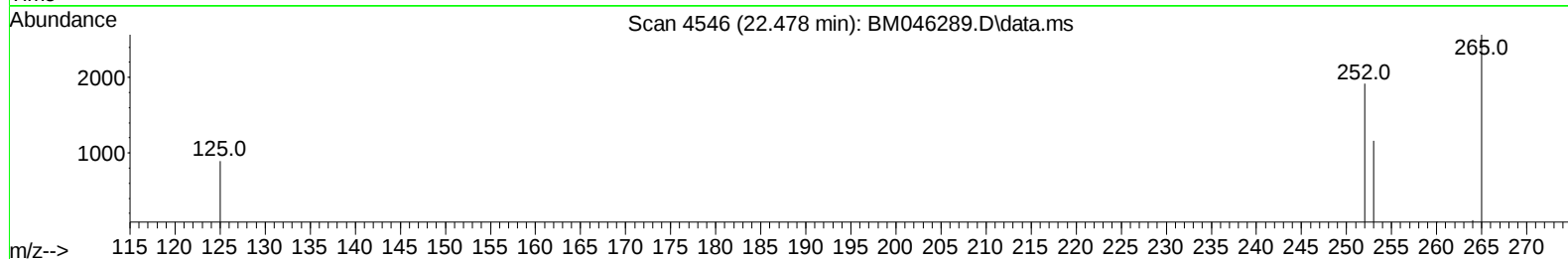
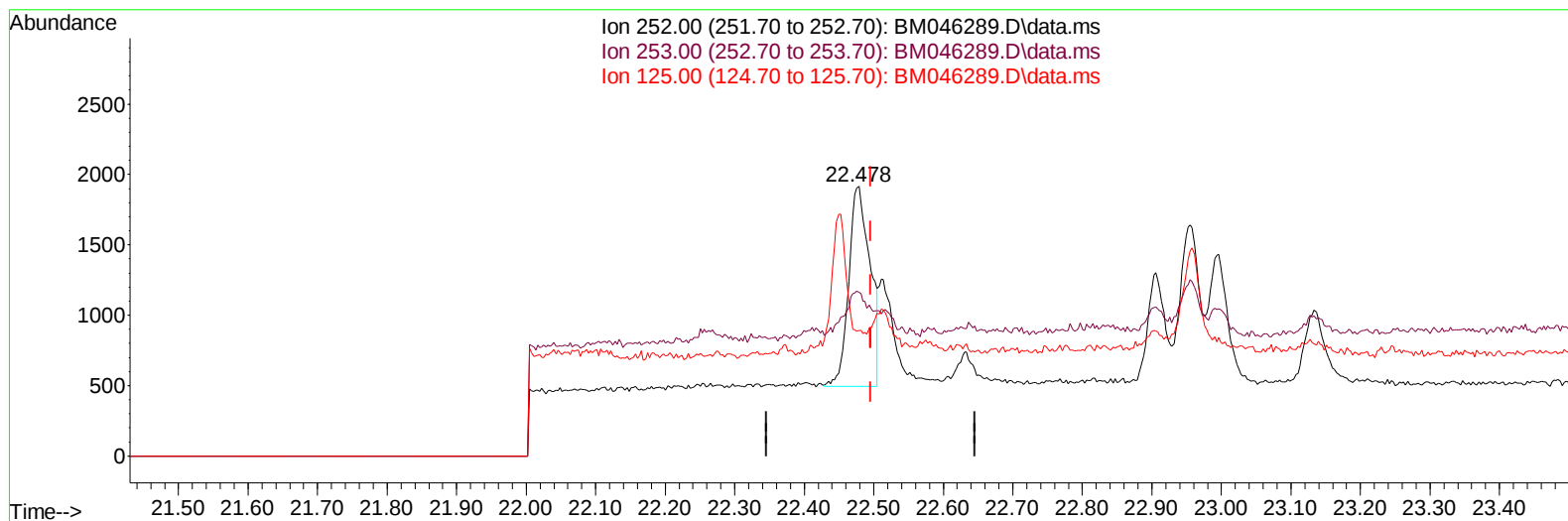
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046289.D
Acq On : 25 Jun 2024 13:31
Operator : MA/JU
Sample : P2844-11
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C63

Manual IntegrationsAPPROVED

Quant Time: Jun 25 14:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046289.D\data.ms

(24) Benzo(b)fluoranthene

22.478min (-0.017) 0.14 ng/ul m

response 3047

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	60.76
125.00	20.10	46.66#
0.00	0.00	0.00

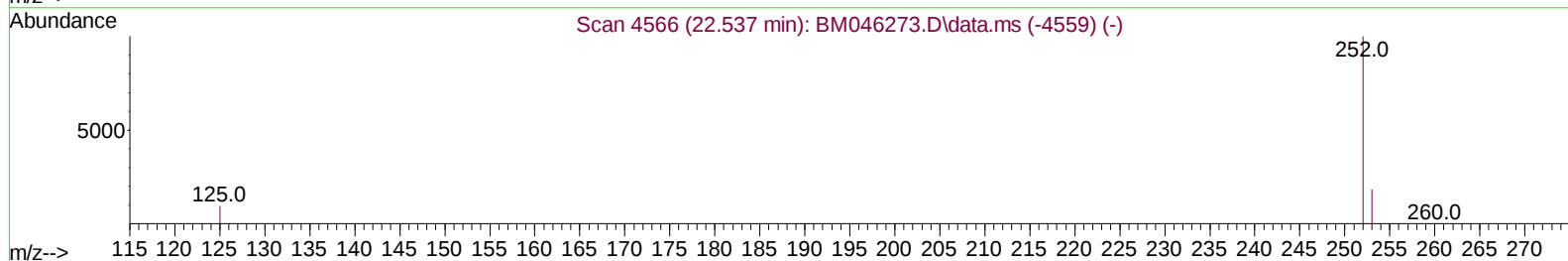
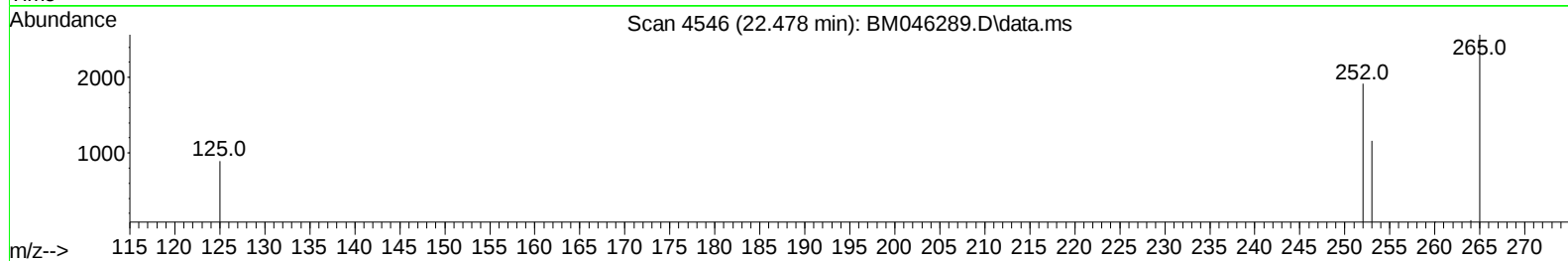
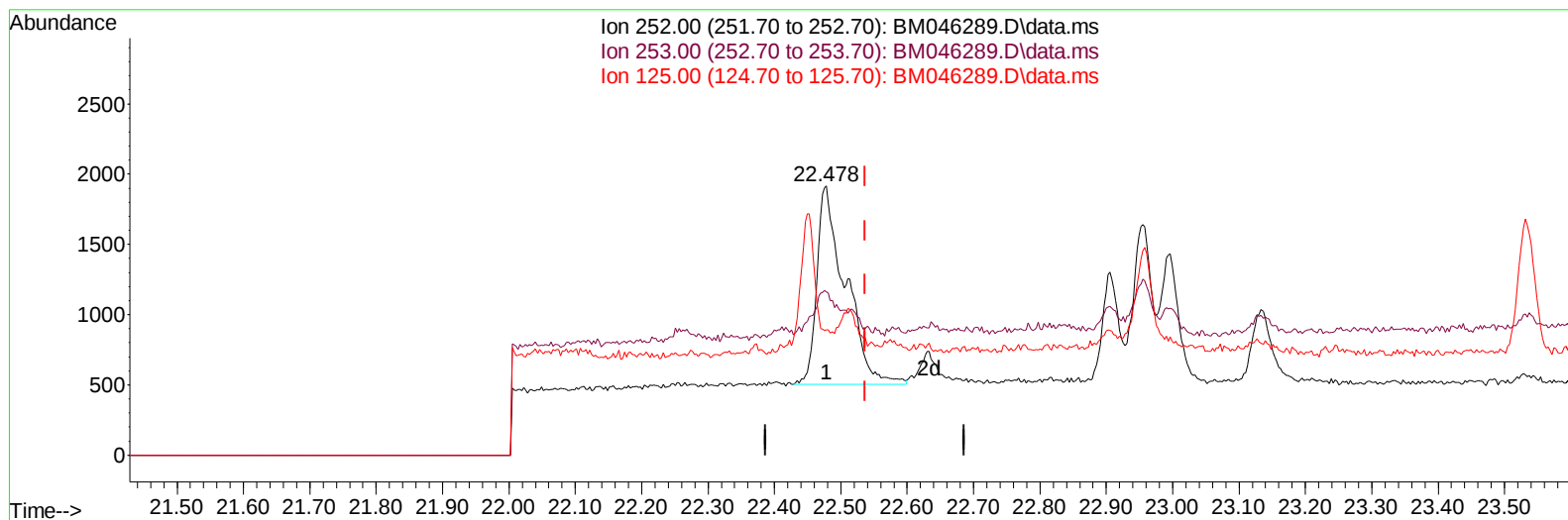
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046289.D
Acq On : 25 Jun 2024 13:31
Operator : MA/JU
Sample : P2844-11
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C63

Manual IntegrationsAPPROVED

Quant Time: Jun 25 14:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046289.D\data.ms

(25) Benzo(k)fluoranthene

22.478min (-0.058) 0.16 ng/u1

response 4203

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	60.76#
125.00	20.80	46.66#
0.00	0.00	0.00

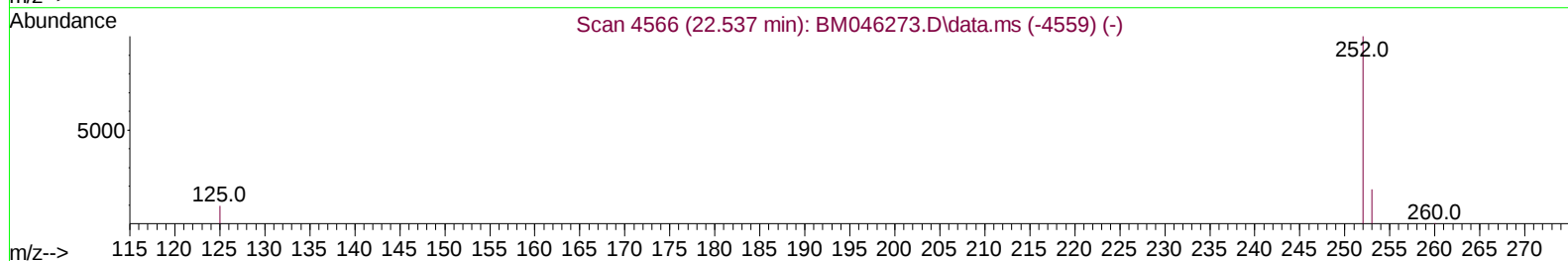
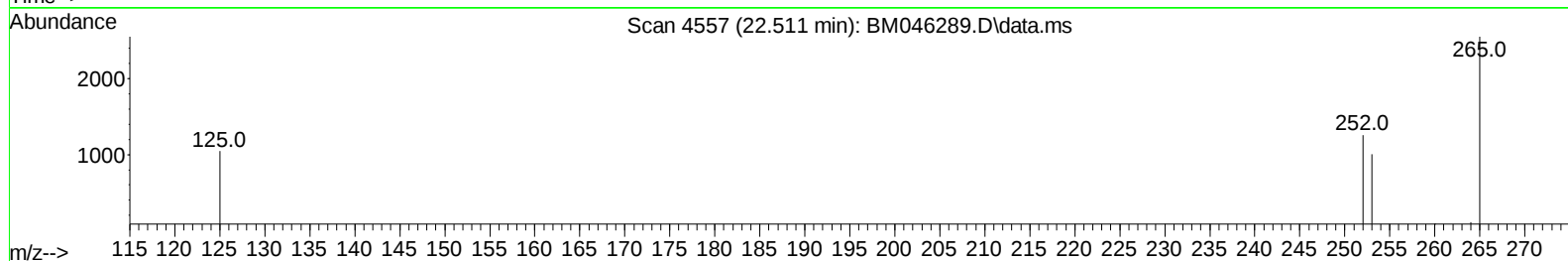
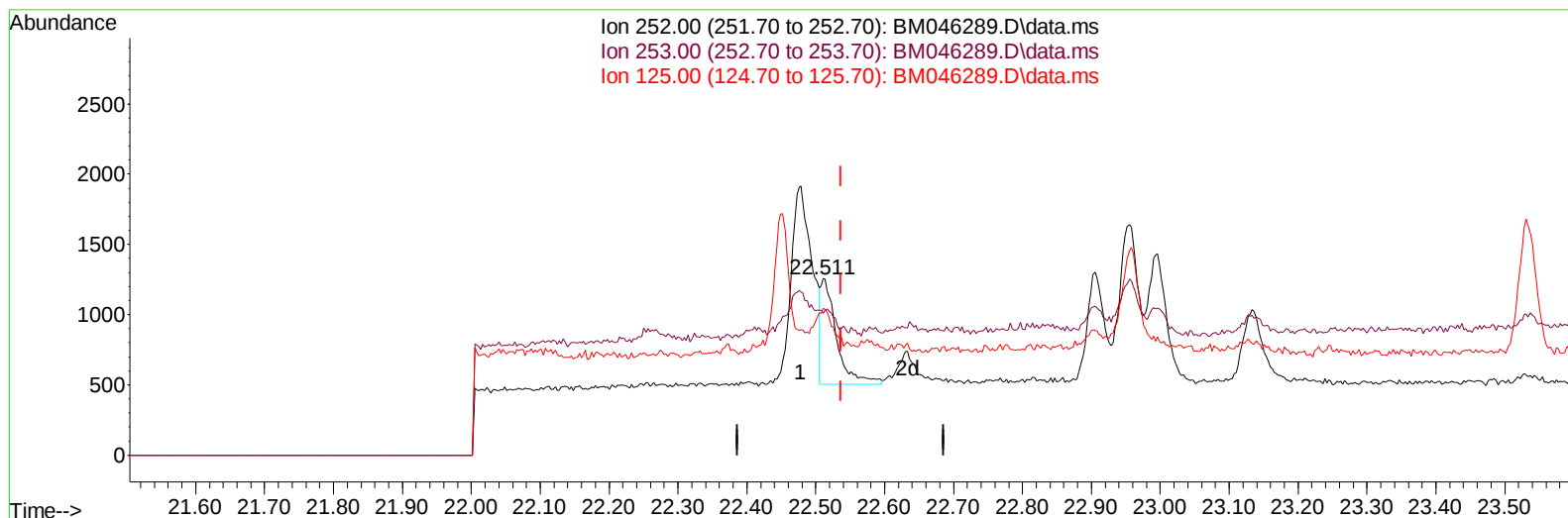
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046289.D
Acq On : 25 Jun 2024 13:31
Operator : MA/JU
Sample : P2844-11
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C63

Manual IntegrationsAPPROVED

Quant Time: Jun 25 14:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046289.D\data.ms

(25) Benzo(k)fluoranthene

22.511min (-0.026) 0.05 ng/u1 m

response 1196

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	80.33#
125.00	20.80	83.20#
0.00	0.00	0.00

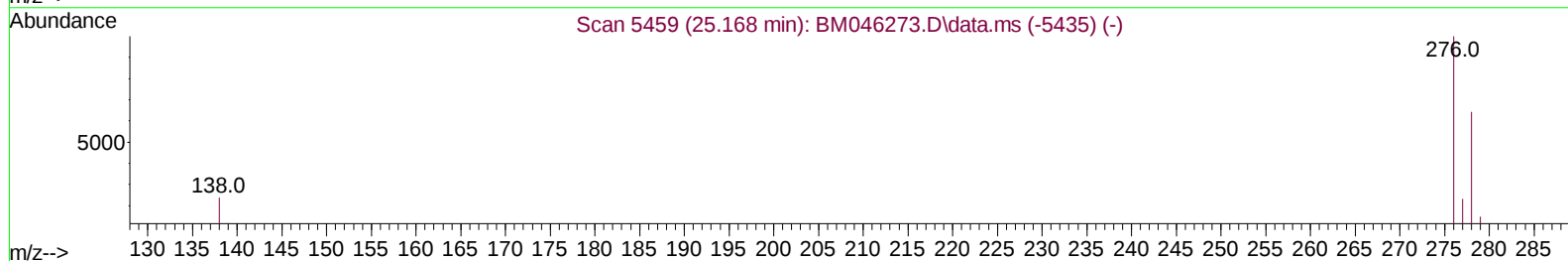
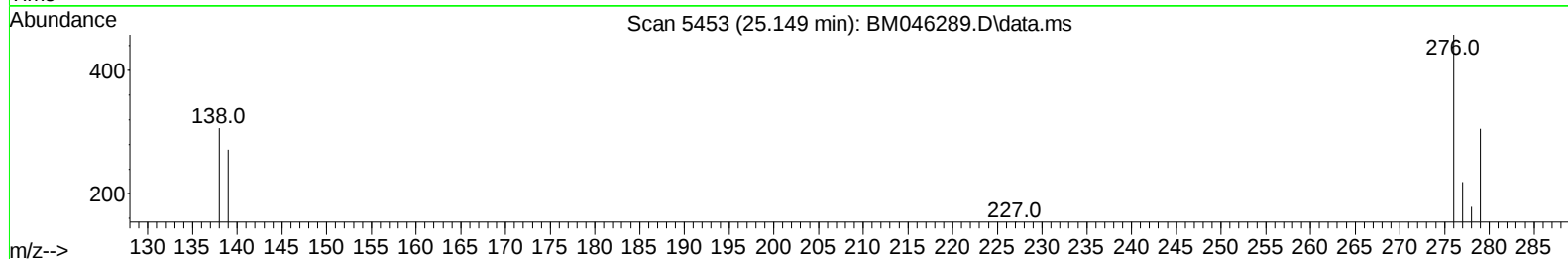
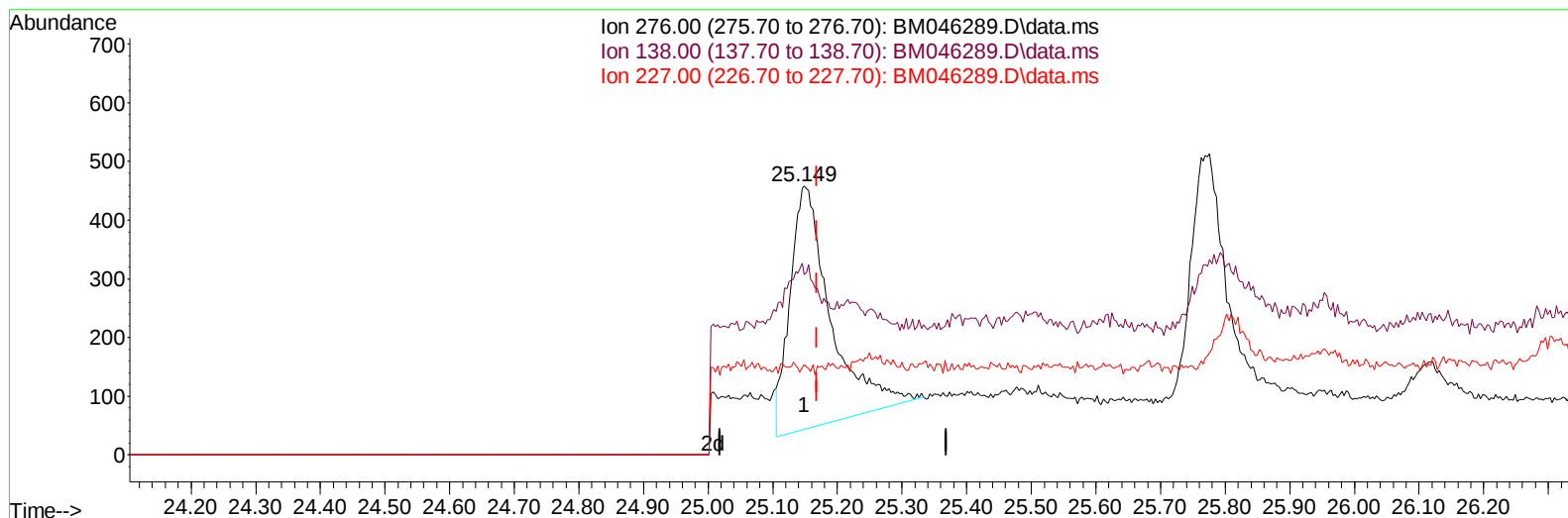
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046289.D
Acq On : 25 Jun 2024 13:31
Operator : MA/JU
Sample : P2844-11
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C63

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 25 14:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration



TIC: BM046289.D\data.ms

(27) Indeno(1,2,3-cd)pyrene

25.149min (-0.020) 0.05 ng/u1

response 1810

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.20	267.90#
227.00	0.00	0.00
0.00	0.00	0.00

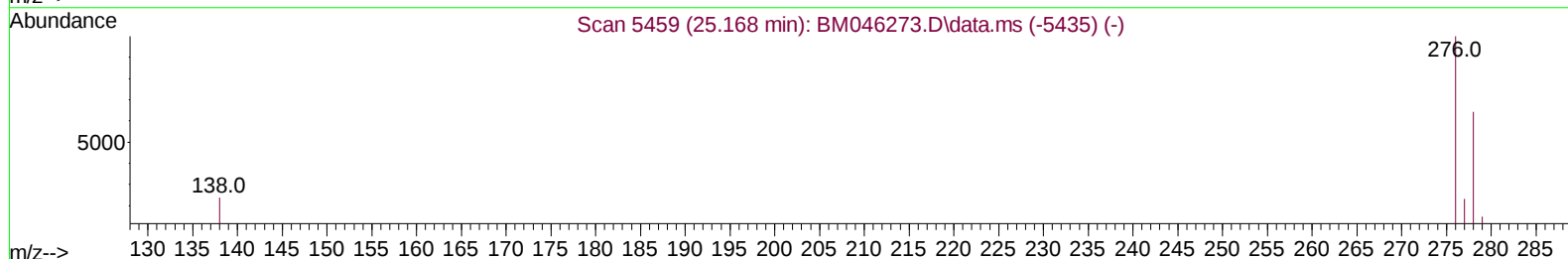
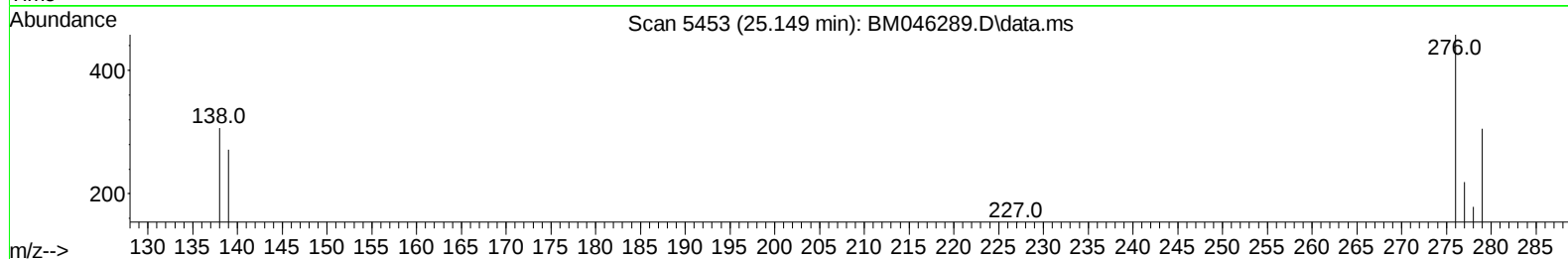
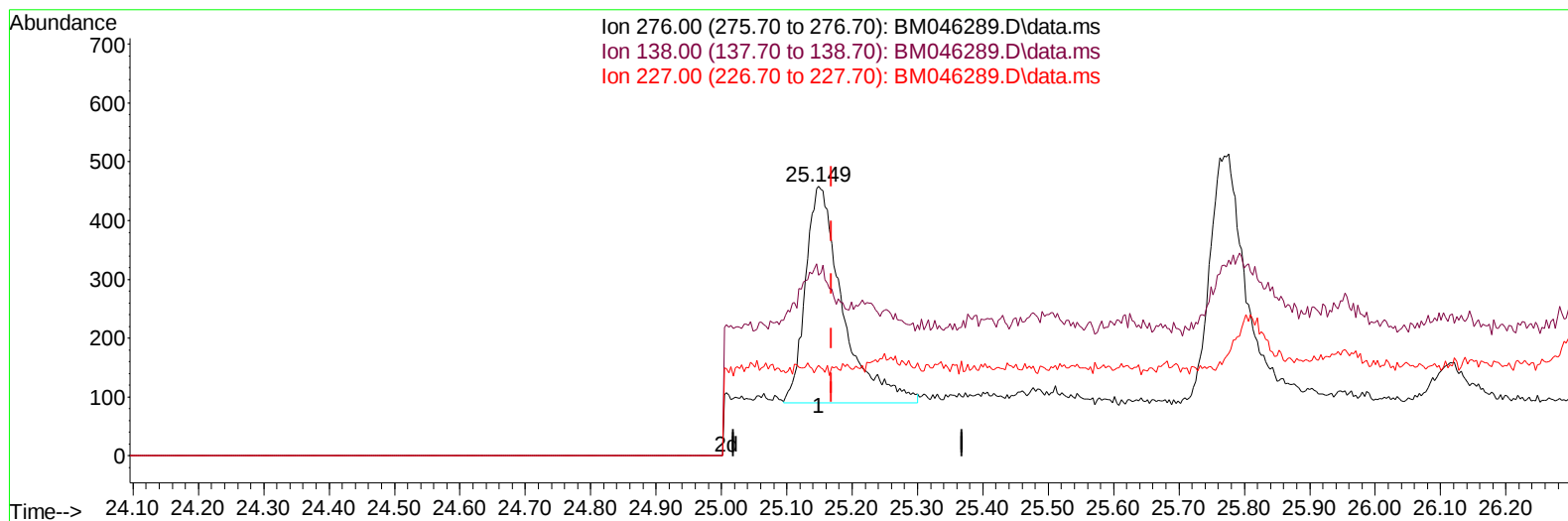
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046289.D
Acq On : 25 Jun 2024 13:31
Operator : MA/JU
Sample : P2844-11
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C63

Manual IntegrationsAPPROVED

Quant Time: Jun 25 14:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046289.D\data.ms

(27) Indeno(1,2,3-cd)pyrene

25.149min (-0.020) 0.04 ng/u1 m

response 1457

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.20	332.81#
227.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046289.D
 Acq On : 25 Jun 2024 13:31
 Operator : MA/JU
 Sample : P2844-11
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C63

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 25 14:48:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 08:04:59 2024
 Response via : Initial Calibration

Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.396	152		2354	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.160	136		7265	0.400	ng/ul	-0.09
9) Acenaphthene-d10	14.047	164		3819	0.400	ng/ul	-0.04
13) Phenanthrene-d10	16.794	188		8435m	0.400	ng/ul	-0.06
17) Chrysene-d12	21.009	240		6374	0.400	ng/ul	-0.02
23) Perylene-d12	23.090	264		6180m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.021	96		12352	3.825	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.782	152		2765	0.283	ng/ul	-0.09
18) Fluoranthene-d10	18.834	212		5545	0.290	ng/ul	-0.04
Target Compounds							Qvalue
15) Phenanthrene	16.832	178		2576m	0.109	ng/ul	
16) Anthracene	16.925	178		573m	0.032	ng/ul	
19) Fluoranthene	18.861	202		4635	0.168	ng/ul	97
20) Pyrene	19.219	202		4140m	0.139	ng/ul	
21) Benzo(a)anthracene	20.994	228		1856	0.075	ng/ul#	85
22) Chrysene	21.047	228		1815	0.058	ng/ul#	85
24) Benzo(b)fluoranthene	22.478	252		3047m	0.137	ng/ul	
25) Benzo(k)fluoranthene	22.511	252		1196m	0.045	ng/ul	
26) Benzo(a)pyrene	22.996	252		1618	0.078	ng/ul#	43
27) Indeno(1,2,3-cd)pyrene	25.149	276		1457m	0.043	ng/ul	
29) Benzo(g,h,i)perylene	25.776	276		1714	0.059	ng/ul#	43

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046289.D
Acq On : 25 Jun 2024 13:31
Operator : MA/JU
Sample : P2844-11
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C63

Manual IntegrationsAPPROVED

Quant Time: Jun 25 14:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024

